

What is claimed is:

1. An electrical power breaker including a switching contact arrangement, the switching contact arrangement comprising:  
a current conductor, carrying a stationary contact member; and  
a contact lever, carrying a moveable contact member, said contact lever being arranged on a contact carrier which is pivotable about a pivot bearing to close and open the switching contact arrangement, wherein the current conductor and the contact lever lie opposite one another when the switching contact arrangement is closed so as to form a current loop which generates a torque acting on the contact lever, and wherein sections of the current conductor and the contact lever forming the current loop are designed to be arched and concentric with respect to one another with a radius which approximately corresponds to a distance from a pivot bearing of the contact lever.
2. The power breaker as claimed in claim 1, wherein an arrangement of the concentric sections and the pivot bearing of the contact lever are such that the torque causes the contact members to separate.
3. The power breaker as claimed in claim 1, wherein an arrangement of the concentric sections and the pivot bearing of the contact lever are such that the torque acts on the contact lever, causing the contact members to close.
4. The power breaker as claimed in claim 1, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.
5. The power breaker as claimed in claim 2, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

6. The power breaker as claimed in claim 3, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, to thereby produce a torque causing the contact members to at least one of close and open.

7. The power breaker as claimed in claim 1, further comprising a drive apparatus, adapted to drive the contact carrier.

8. An electrical power breaker including a switching contact arrangement, the switching contact arrangement comprising:

a current conductor, including a stationary contact member; and

a contact lever, including a moveable contact member, said contact lever being arranged on a contact carrier which is pivotable about a pivot bearing to close and open the switching contact arrangement, wherein sections of the current conductor and the contact lever are arched and concentric with respect to one another with a radius which approximately corresponds to a distance from a pivot bearing of the contact lever.

9. The power breaker as claimed in claim 8, wherein an arrangement of the concentric sections and the pivot bearing of the contact lever are such that the torque causes the contact members to separate.

10. The power breaker as claimed in claim 8, wherein an arrangement of the concentric sections and the pivot bearing of the contact lever are such that the torque acts on the contact lever, causing the contact members to close.

11. The power breaker as claimed in claim 8, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

12. The power breaker as claimed in claim 9, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever,

and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

12. The power breaker as claimed in claim 10, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, to thereby produce a torque causing the contact members to at least one of close and open.

13. The power breaker as claimed in claim 8, further comprising a drive apparatus, adapted to drive the contact carrier.